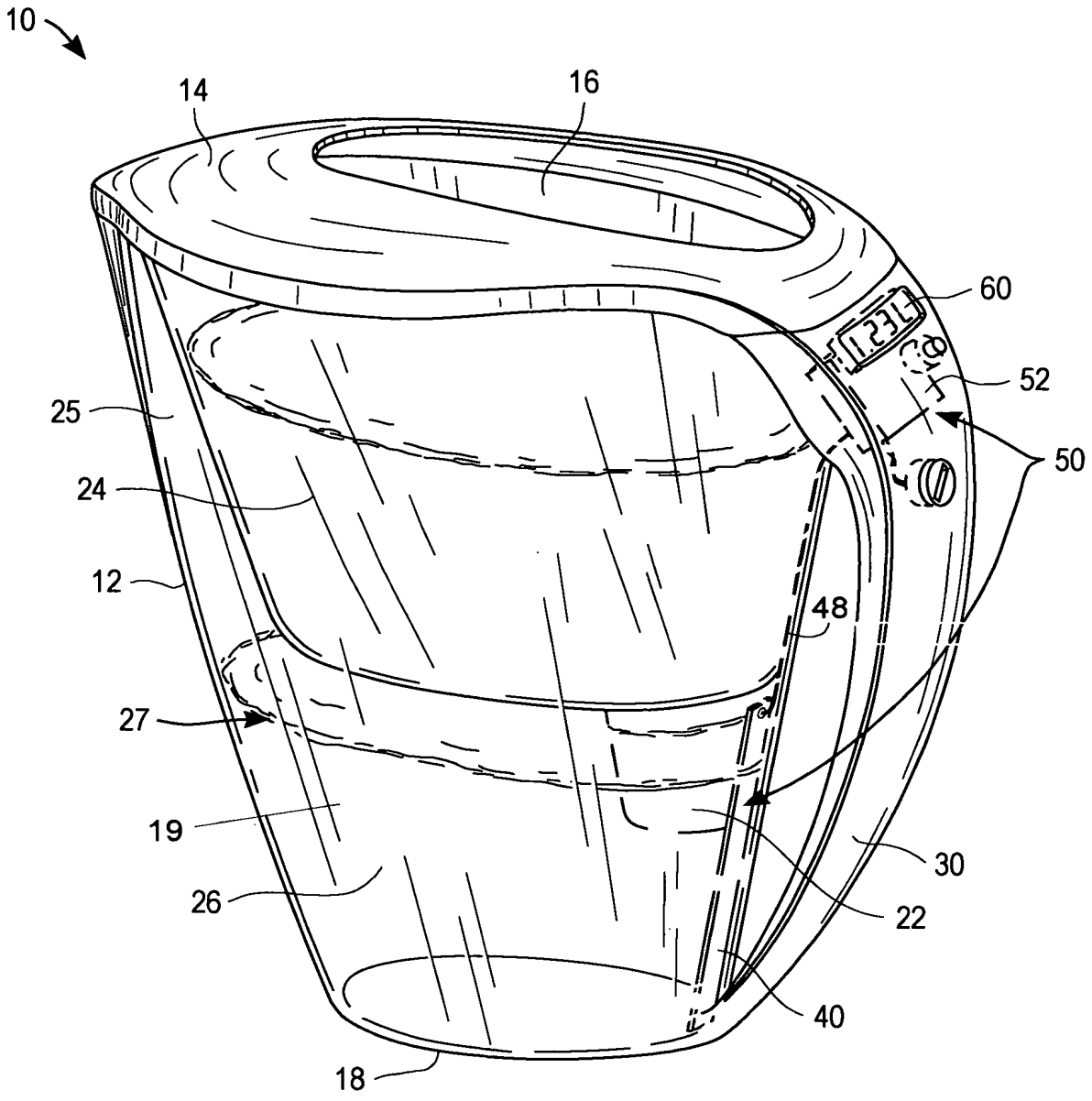

FIG. 1

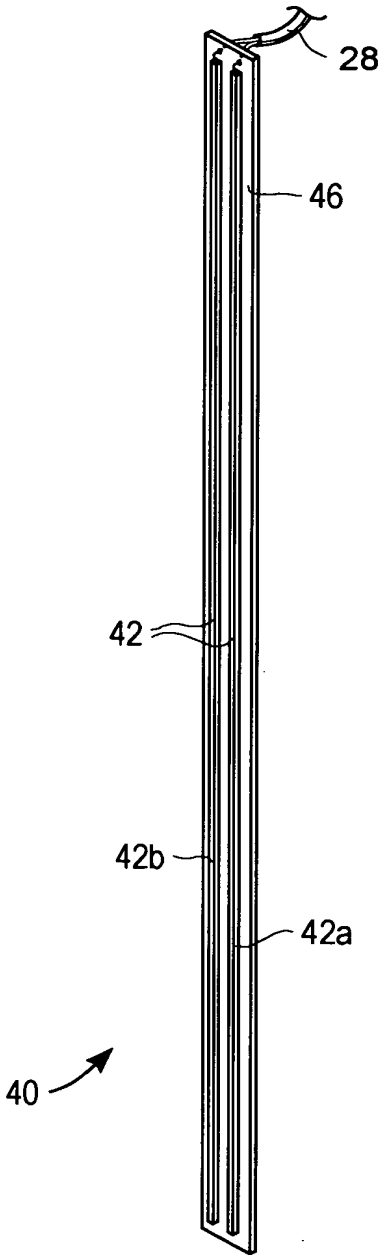

FIG. 2A

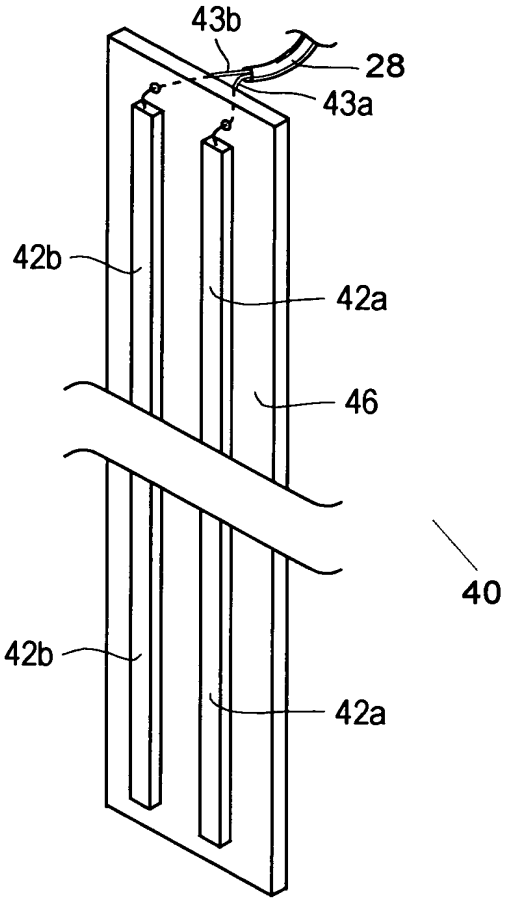

FIG. 2B

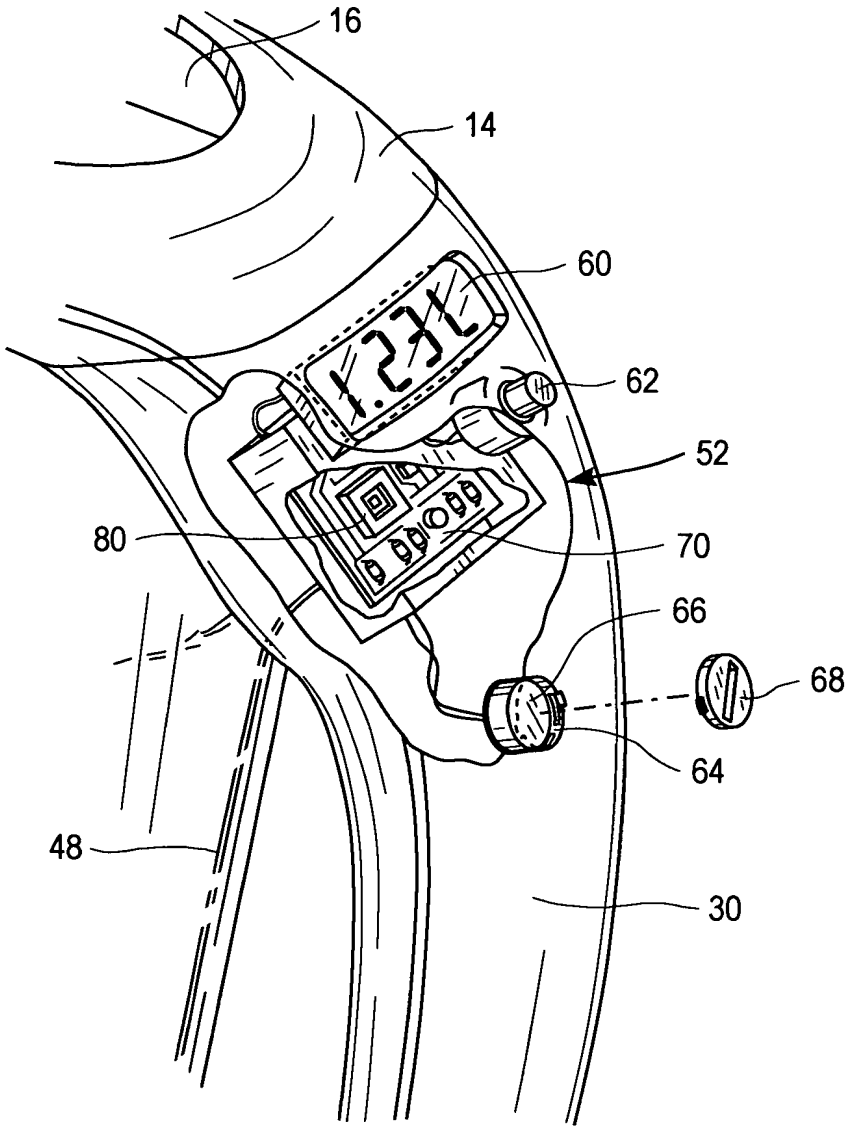

FIG. 3

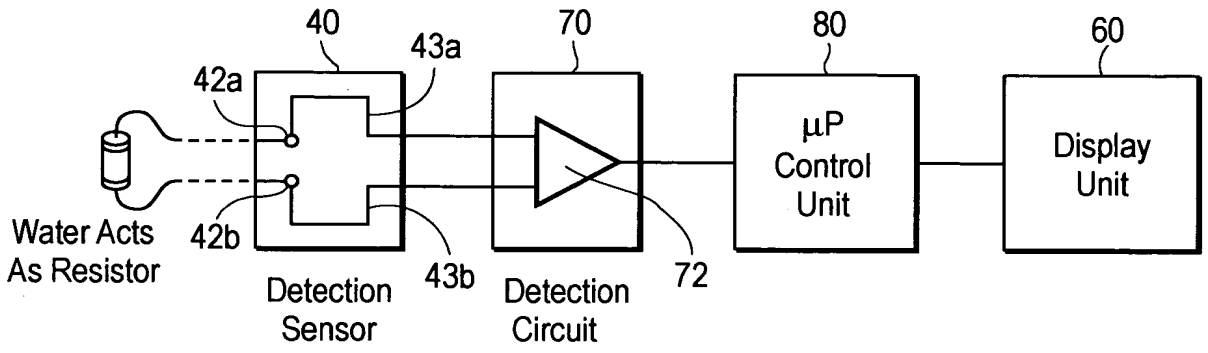

FIG. 4A

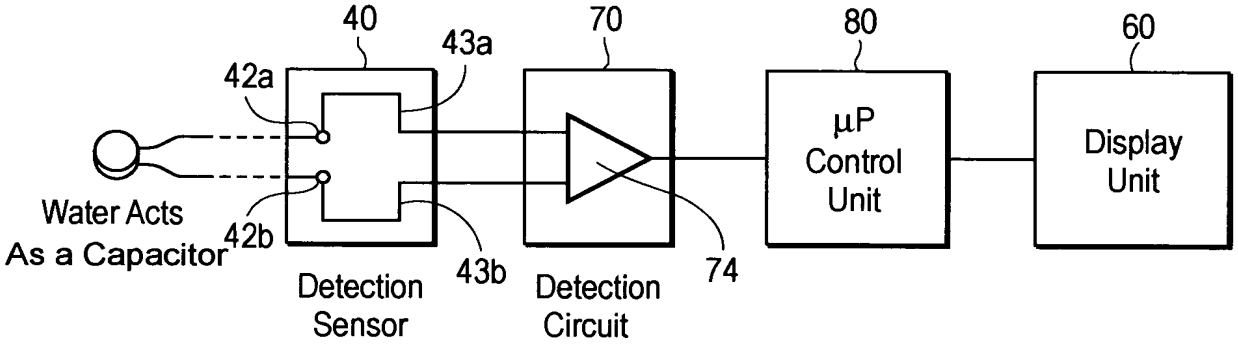

FIG. 4B

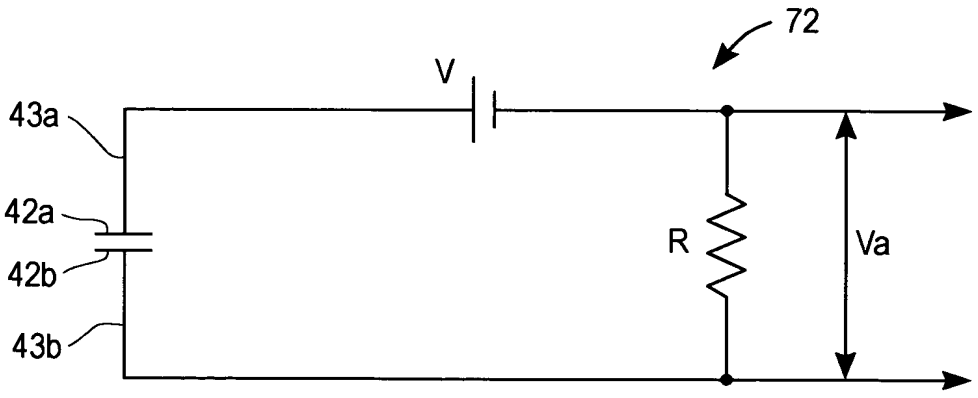

FIG. 5

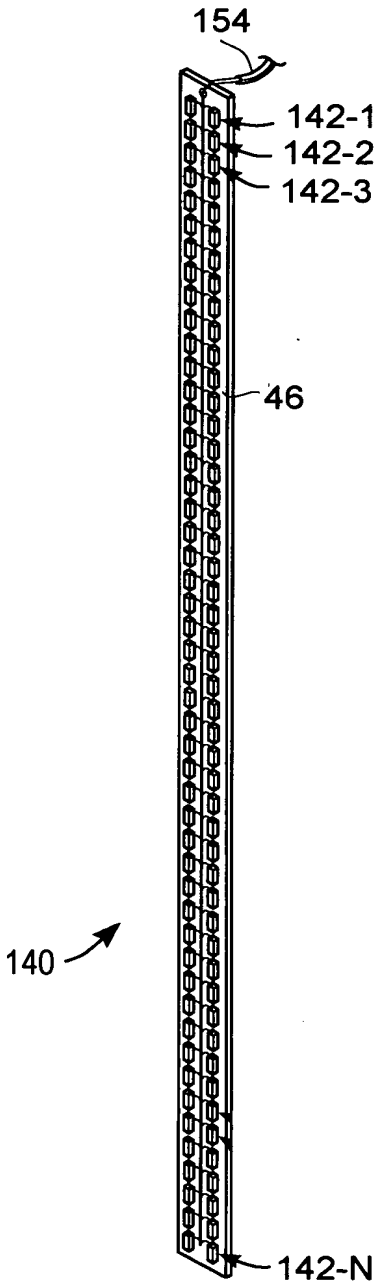

FIG. 6A

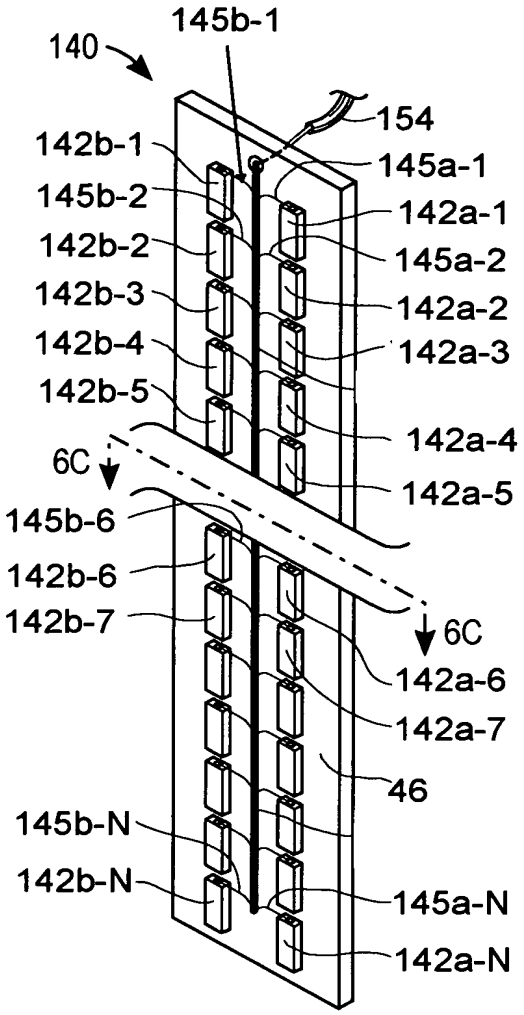

FIG. 6B

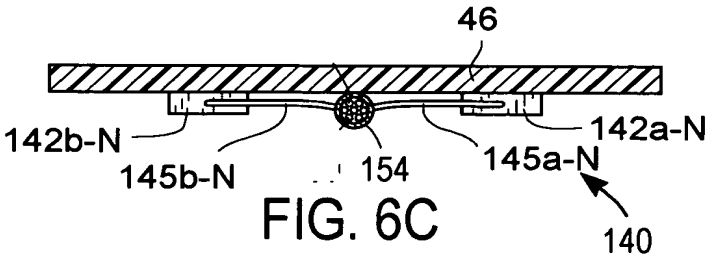

FIG. 6C

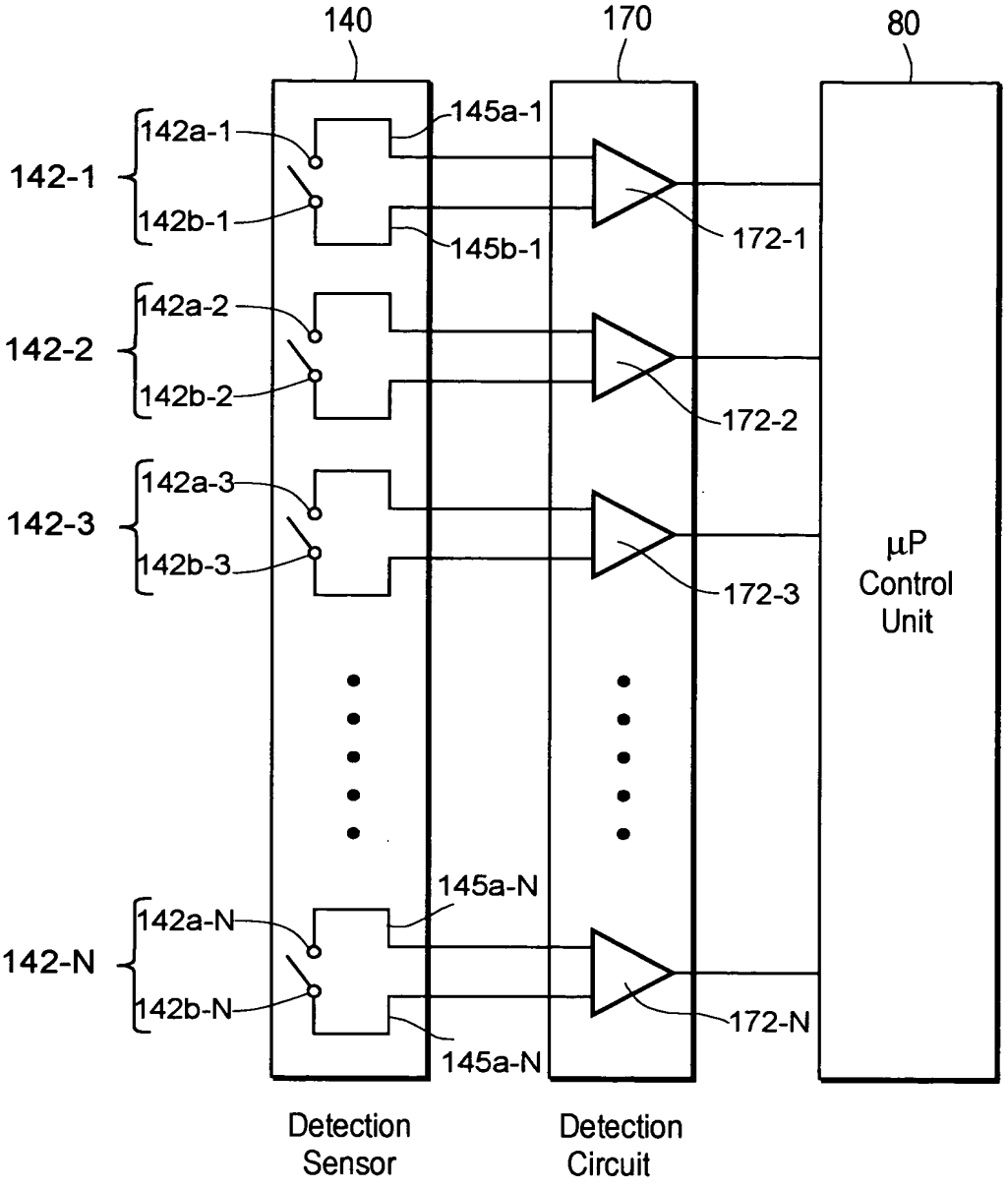
140
170
80
142-1
142a-1
142b-1
145a-1
145b-1
172-1
142-2
142a-2
142b-2
172-2
142-3
142a-3
142b-3
172-3
μP Control Unit
142-N
142a-N
142b-N
145a-N
145a-N
172-N
Detection Sensor
Detection Circuit

FIG. 7

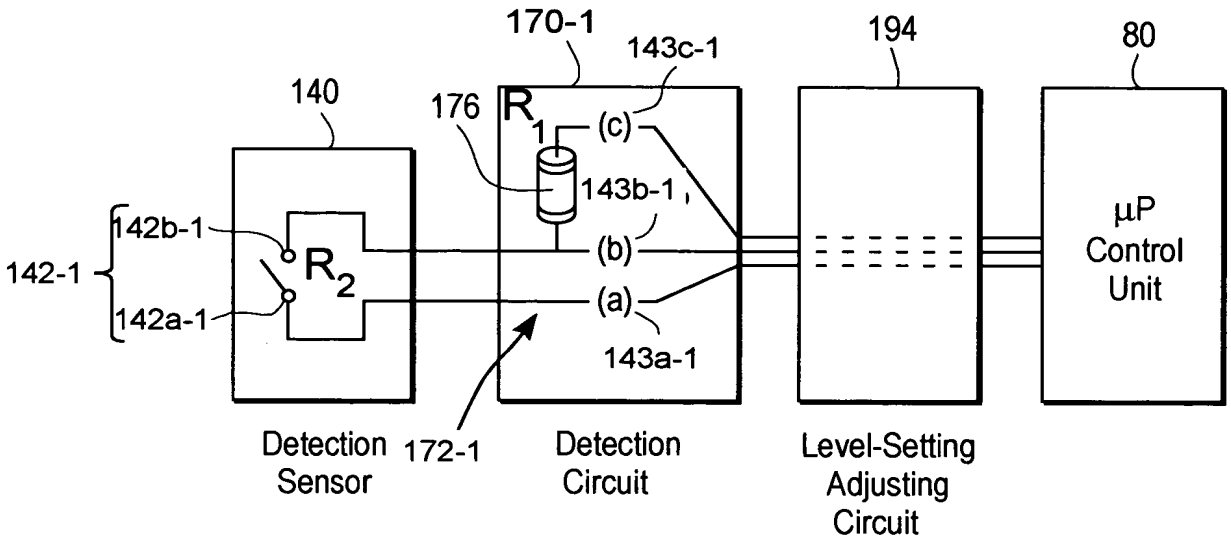
170-1
143c-1
194
80
140
176
R1
(c)
143b-1
142b-1
142-1
R2
(b)
μP
Control
Unit
142a-1
(a)
143a-1
Detection
Sensor
172-1
Detection
Circuit
Level-Setting
Adjusting
Circuit

FIG. 8

		144	180	144a	144b	144c
Time	Water Level	Switch	Microprocessor	(a)	(b)	(c)
t0	Low	Open	Off	0	1	1
• • •						
t1	Low	Open	Off	0	1	1
• • •						
t2	High	Closed	On	0	0	1
t3	High	Closed	On	1	0	0
t4	High	Closed	Off	1	1	0
• • •						
t5	Low	Open	On	1	0	0
t6	Low	Open	On	0	0	1
t7	Low	Open	Off	0	1	1
• • •						
t8	High	Closed	On	0	0	1
t9	High	Closed	On	1	0	0
t10	High	Closed	Off	1	1	0
• • •						

FIG. 9

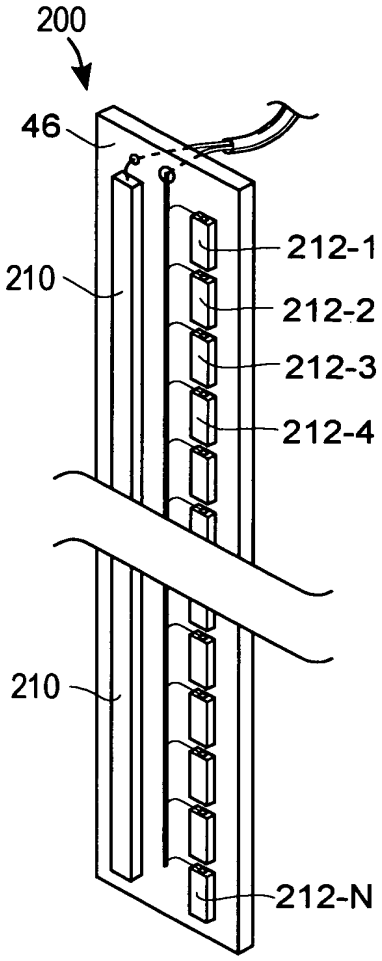

FIG. 10

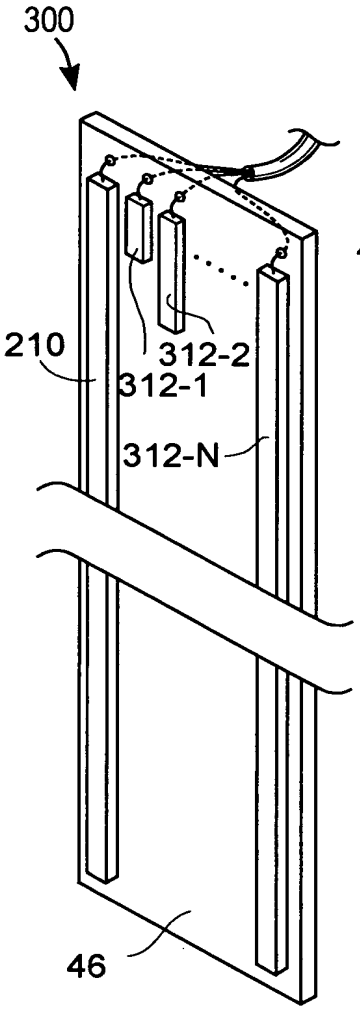

FIG. 11

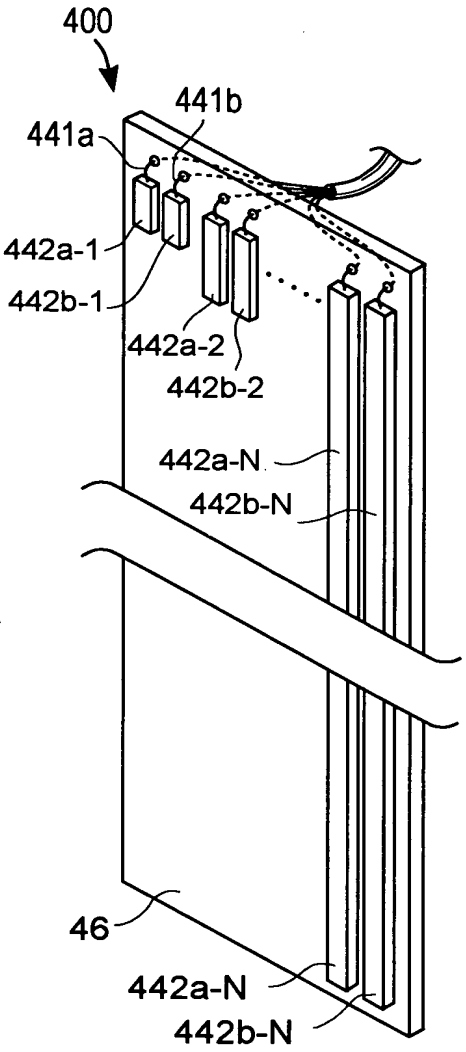

FIG. 12

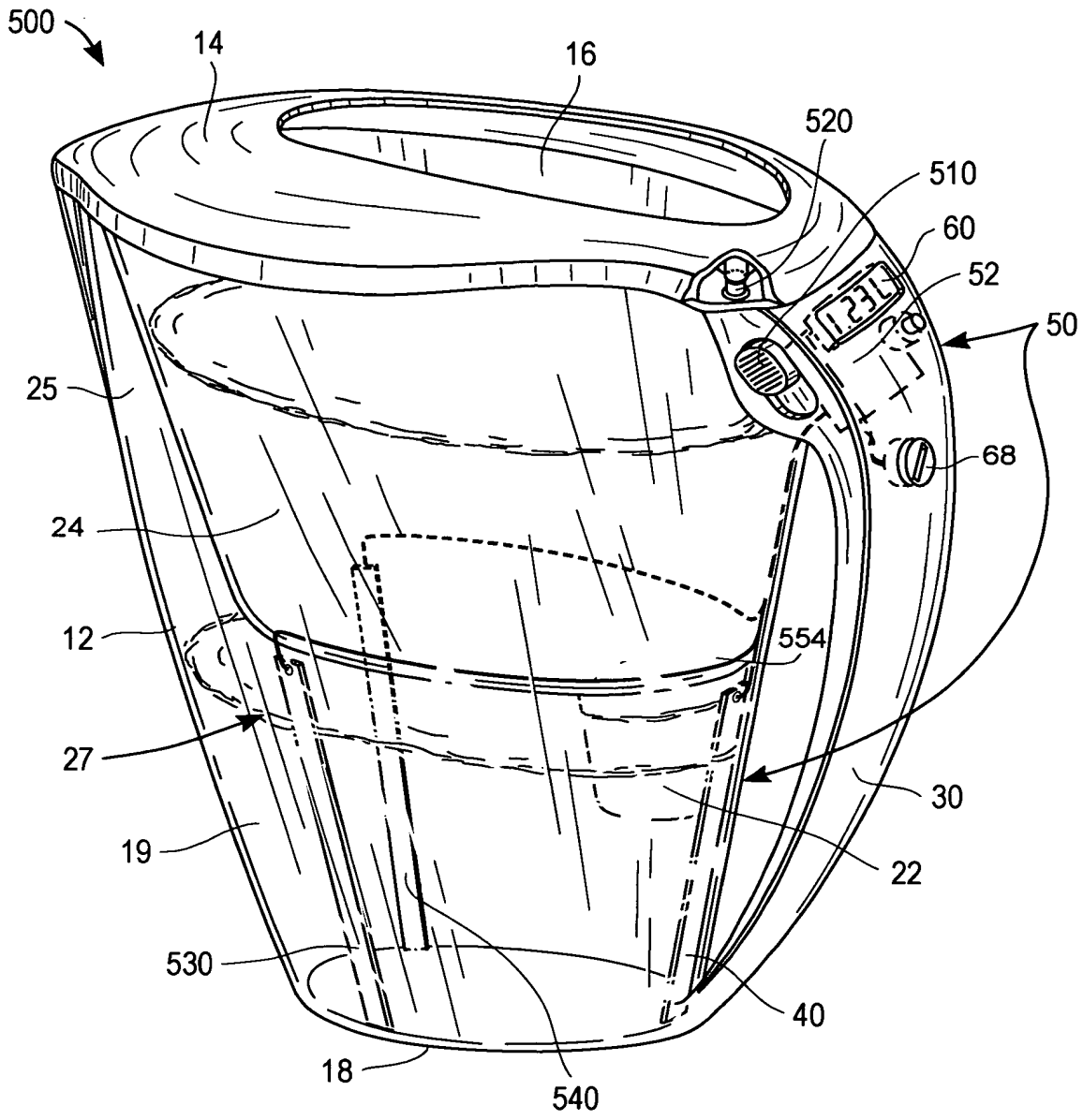

FIG. 13

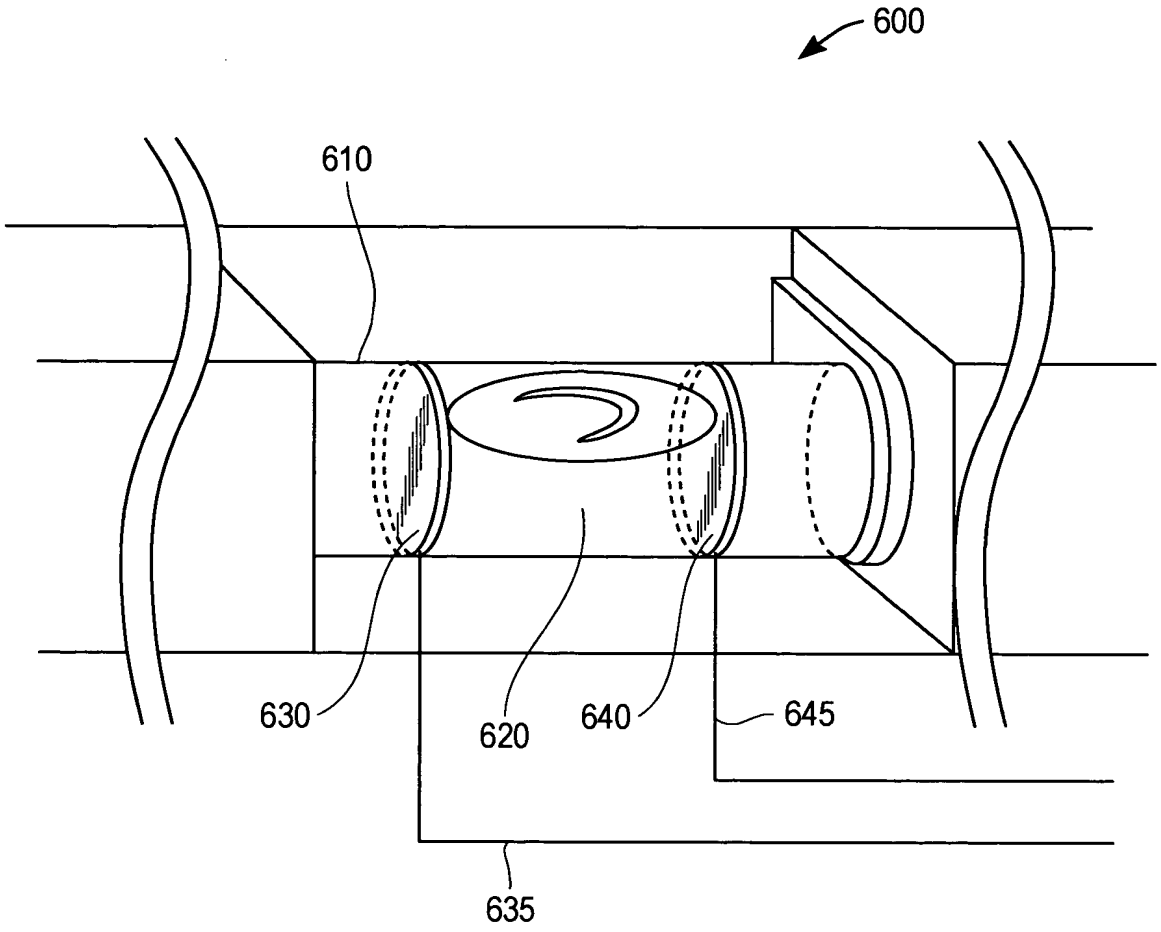

FIG. 14